

Title (en)  
OPENING AND CLOSING CONTROL DEVICE

Title (de)  
ÖFFNUNGS- UND SCHLISSSTEUERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE COMMANDE D'OUVERTURE ET DE FERMETURE

Publication  
**EP 3321463 A4 20190313 (EN)**

Application  
**EP 16821188 A 20160614**

Priority  
• JP 2015136090 A 20150707  
• JP 2016067647 W 20160614

Abstract (en)  
[origin: EP3321463A1] An opening/closing controller that controls movement of an opening/closing body includes an entrapment detection sensor that detects entrapment when the opening/closing body moves and a control unit that performs a switch mode control (P2 to P4) using the entrapment detection sensor as an input switch for an opening/closing body operation when detecting an operation input to the entrapment detection sensor while movement of the opening/closing body is stopped (P2).

IPC 8 full level  
**E05F 15/75** (2015.01); **B60J 1/00** (2006.01); **E05F 15/46** (2015.01); **E05F 15/689** (2015.01)

CPC (source: EP US)  
**B60J 1/00** (2013.01 - EP US); **E05F 15/46** (2015.01 - EP US); **E05F 15/75** (2015.01 - EP US); **E05F 15/689** (2015.01 - EP US); **E05F 15/695** (2015.01 - EP US); **E05F 2015/483** (2015.01 - EP US); **E05Y 2400/812** (2013.01 - EP US); **E05Y 2400/86** (2013.01 - EP US); **E05Y 2900/55** (2013.01 - EP US)

Citation (search report)  
• [XAI] DE 102006019581 A1 20071031 - BAYERISCHE MOTOREN WERKE AG [DE]  
• [XA] JP H09317329 A 19971209 - DENSO CORP  
• [A] DE 3513051 A1 19861023 - VER GLASWERKE GMBH [DE], et al  
• See references of WO 2017006718A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3321463 A1 20180516; EP 3321463 A4 20190313**; JP 2017020173 A 20170126; JP 6587847 B2 20191009; US 2018223588 A1 20180809; WO 2017006718 A1 20170112

DOCDB simple family (application)  
**EP 16821188 A 20160614**; JP 2015136090 A 20150707; JP 2016067647 W 20160614; US 201615579965 A 20160614